

Approved Product List for Soil Retention Blanket Mulch

**Delaware Department of Transportation
Dover, DE 19903**

March 1, 2005

The Approved Product List (APL) is developed using field performance of products that have been used extensively in projects by Delaware Department of Transportation (DelDOT) with satisfactory results; performance standards and evaluation by the Texas Department of Transportation / Texas Transportation Institute (TxDOT / TTI), Riverside Campus of Texas A & M University, College Station, Texas; The Erosion Lab, Rice Lake, Wisconsin; and NTPEP Index Tests of Rolled Erosion Control Products, a cooperative effort by AASHTO and the Erosion Control Technology Council (ECTC). NTPEP (National Transportation Product Evaluation Program) Index Tests is a cooperative effort by representatives of manufacturers of rolled erosion control blankets and AASHTO.

Moreover, because of environmental concerns, DelDOT has used extensively during the past few years only Erosion Control Blankets (ECBs) that have 100 percent biodegradable, natural, organic fiber nettings wherever these ECBs can withstand the design shear stresses. Therefore, the following guidelines will be followed:

1. On slope protection and on grass channels that have maximum shear stress at design flow of less than or equal to 2 pounds per square foot (96 Pascals), all Rolled Erosion Control Products (RECP) will have 100 percent biodegradable, natural, organic fiber nettings. These are short-term biodegradable blankets.
2. On grass channels that have maximum shear stress at design flow greater than 2 pounds per square foot (96 Pascals), only RECPs that are classified as long-term non-degradable blankets will be used. These products are termed Turf Reinforcement Mats (TRMs).

In order for a product to be added to DelDOT's Approved Product List and be eligible for use in DelDOT's construction and maintenance works, the product must meet the above guidelines.

Pre-approval procedures and the current APL may be obtained by writing to the Stormwater Engineer, Delaware Department of Transportation, P. O. Box 778, Dover, DE 19903, calling 302 760 2191, or viewing DelDOT's web page at **www.deldot.net/business**. As new products are tested, those products meeting DelDOT requirements will be added to the APL.

DelDOT reserves the right to remove a product from the APL when field performance proves the product to be unsatisfactory.

Soil Retention Blanket Mulch (SRBM)

DelDOT Approved Product List, March 1, 2005

Note: Approved Products since last revision are in Bold and Italics

SRBM Type and DelDOT Bid Item Number	Approved Products	Criteria
Type 1, Item No. 735 531	BonTerra EcoNet ENCS2 <i>East Coast Erosion Blankets ECSC-2B</i> <i>East Coast Erosion Blankets ECC-2B</i> North American Green S150BN North American Green SC150BN	TxDOT/TTI 98 <i>NTPEP Index Tests 04</i> <i>NTPEP Index Tests 04</i> TxDOT/TTI 98 DelDOT Approved
Type 2, Item No. 735 532	Conwed 3000 BFM (From Mar 1 to Oct 31 only) EarthBound (From Mar 1 to Oct 31 only) <i>East Coast Erosion Blankets ECS-1B</i> EcoAegis (From Mar 1 to Oct 31 only) EnviroGuard Plus (From Mar 1 to Oct 31 only) North American Green S75BN Soil Guard (From Mar 1 to Oct 31 only) Terra-Control (From Mar 1 to Oct 31 only) <u>Plus Types 3 and 1 blankets</u>	TxDOT/TTI 99 TxDOT/TTI 99 <i>NTPEP Index Tests 04</i> TxDOT/TTI 98 TxDOT/TTI 99 TxDOT/TTI 98 TxDOT/TTI 94 TxDOT/TTI 97
Type 3, Item No. 735 533	<i>American Excelsior Company Curlex Net-Free</i> Anti-wash / Geojute BonTerra EcoNet ENS2 <i>East Coast Erosion Blankets ECS-2B</i> Econo-Jute <u>Plus Type 1 blankets</u>	<i>The Erosion Lab 03</i> TxDOT/TTI 91 TxDOT/TTI 97 <i>NTPEP Index Tests 04</i> TxDOT/TTI 99
Type 4, Item No. 735 534	Formula 480 Liqd Clay (From Mar 1 to Oct 31 only) <u>Plus Types 2, 3, and 1 blankets</u>	TxDOT/TTI 98
Type 5, Item No. 735 535	American Excelsior Curlex-I-FibreNet BonTerra EcoNet ENCS2 BonTerra EcoNet ENC2 <i>East Coast Erosion Blankets ECC-2B</i> North American Green SC150BN (TxDOT/TTI 99) North American Green C125BN	DelDOT Approved TxDOT/TTI 98 TxDOT/TTI 98 <i>NTPEP Index Tests 04</i> DelDOT Approved Also TxDOT/TTI 99
Type 6, Item No. 735 536	Earth-Lock II Enkamat Composite 30 Greenstreak PEC-MAT Greenfix CFO72RP Miramat TM8 <u>Plus Type 7 blankets</u>	TxDOT/TTI 99 TxDOT/TTI 99 TxDOT/TTI 95 TxDOT/TTI 99 TxDOT/TTI 95
Type 7, Item No. 735 537	BonTerra SFB12 Contech TRM C-45 North American Green C350 Three Phase North American Green P350 Synthetic Industries Landlok TRM 435 Synthetic Industries Landlok TRM 450 Synthetic Industries Landlok TRM 1050 Synthetic Industries Pyramat Tensar Erosion MAT TM3000 Tensar Erosion Blanket TB1000 Recyclex TM – TRM	TxDOT/TTI 96 TxDOT/TTI 95 TxDOT/TTI 95 TxDOT/TTI 98 TxDOT/TTI 98 TxDOT/TTI 95 TxDOT/TTI 99 TxDOT/TTI 97 TxDOT/TTI 95 TxDOT/TTI 96 The Erosion Lab 00

